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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,099	07/14/2003	Rebekka M. Wachter	REGEN1250-7 8511	
7:	590 05/25/2005		EXAM	INER
Lisa A. Haile, J.D., Ph.D.			NASHED, NASHAAT T	
GRAY CARY WARE & FREIDENRICH LLP Suite 1100			ART UNIT	PAPER NUMBER
4365 Executive Drive			1652	

DATE MAILED: 05/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Total Mall LINE DATE of this communication appears on the cover sheet with the correspondence address		Application No.	Applicant(s)			
Examiner Nashaat T. Nashed, Ph. D. 1652 - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the proteions of 3° CFR 1.136(a). In or event, however, may a reply be timely filled If the period for reply is pecified above, the maximum statistics period will apply and will expire SX (6) MONTIS from the mailing date of this communication for the period by the Citic Live data his time mailing date of this communication for reply and the statistic period will apply and will expire SX (6) MONTIS from the mailing date of this communication for the period by the Citic Live data his time mailing date of this communication, even if timely filed, may reduce any served patent term adjustment. See 3° CFR 1.704(b). Status 1) Responsive to communication(s) filled on	•					
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The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions or time may be waithed used the previous of 31 CPR 1.13(4), in no event, however, may a reply be timely filed Extensions or time may be waithed used the previous of 31 CPR 1.13(4), in no event, however, may a reply be timely filed Extensions or time may be waited below: be maximum of 31 CPR 1.13(4), in no event, however, may a reply be timely filed I the period for reply appendix of the state in this (20) days, a reply which the sublutory minimum of this (20) days will be considered timely. If No period for reply appendix dever, the maximum of the replace of the communication of reply appendix of reply appendix of reply appendix on the reality date of this communication. Fallies to reply which has set or extended period for reply will, by advantage and application is the reality date of this communication. Fallies to reply which has set or extended period for reply will, by advantage and the replace of the communication of the replace of the communication. Fallies to reply which has set or extended period for reply will, and the replace of the communication of the replace of	•					
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1) Responsive to communication(s) filed on	 THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any 					
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 143-153 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 143-153 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified opies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(e) 1) Notice of Praftsperson's Patent Drawing Review (PTO-948) 3) Information Disclasure Statement(s) (PTO-1449 or PTO/S8/08)	Status					
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The application has been amended as requested in the communication filed July 14, 2003. Accordingly, claims 1-142 and 154-187 have been canceled.

Claims 143-153 are pending and under consideration.

The information disclosure statement filed July 14, 2003 fails to comply with 37 CFR 1.98(a)(1), which requires the following: (1) a list of all patents, publications, applications, or other information submitted for consideration by the Office; (2) U.S. patents and U.S. patent application publications listed in a section separately from citations of other documents; (3) the application number of the application in which the information disclosure statement is being submitted on each page of the list; (4) a column that provides a blank space next to each document to be considered, for the examiner's initials; and (5) a heading that clearly indicates that the list is an information disclosure statement. The information disclosure statement has been placed in the application file, but the information referred to therein has not been considered. Although the references of the IDS were considered during the preparation of this Office action, the references will not be printed on the first page of the patent. If applicants wish to have the references printed on the first page of the patent, they must submit a new IDS in compliance with 37 CFR 1.98(a)(1).

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 143-153 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-6 and 29-37 of U.S. Patent No. 6,150,176 ('176). Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of the instant application and those of '176 patent have an overlapping scope. Claim 143 of the instant application is directed to an engineered fluorescent protein of SEQ ID NO: 2 in which residues Thr-

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203 and His-148 are mutated to an aromatic amino acid and any amino acid, respectively. Claim 1 of the '176 patent is directed to a SEQ ID NO: 2 comprising substitution mutation at His-148 and several other amino acid residues including Thr-203.

Claims 143-153 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1 and 4 of U.S. Patent No. 6,780,975 ('975). Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of the instant application and those of '176 patent have an overlapping scope. Claim 143 of the instant application is directed to an engineered fluorescent protein of SEQ ID NO: 2 in which residues Thr-203 and His-148 are mutated to an aromatic amino acid and any amino acid, respectively. Claim 1 of the '975 patent is directed to a SEQ ID NO: 2 comprising substitution mutation at Thr-203 with an aromatic amino acid residue and several other amino acid residues. Claim 4 of the '975 patent further limits claim 1 to an additional substitution mutation of His-148.

The claims are free of prior art.

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nashaat T. Nashed, Ph. D. whose telephone number is 571-272-0934. The examiner can normally be reached on MTTF.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapura Achutamurthy can be reached on 571-272-0928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nashaat T. Nashed, Ph. D.

Primary Examiner Art Unit 1652